APPENDIX II.

Report of Medical Officer of Health for 1951.

Lukis House, Grange, Guernsey, 26th March, 1952.

GENTLEMEN,

I have the honour to present my seventeenth annual report for the year 1951 as States Medical Officer of Health.

There was little infectious disease; there were two severe cases of diphtheria in uninoculated children and one case of Enteric Fever which was contracted in Paris.

The birth rate rose from 16.6 per 1,000 in 1950 to 17.4 per 1,000 ; there was also an increase in the death rate due to a large increase in deaths from cancer.

The number of deaths under one year of age was half that of 1950, giving the extremely low infant mortality rate of 14.2 per 1,000 live births.

There was again a very large fall in the deaths from Pulmonary Tuberculosis, the number in 1951 being 12 as compared with 19 in 1950 ; the death rate was very low at 0.27 per 1,000 as compared with rates of 0.79, 0.61 and 0.42 for the years 1948, 1949 and 1950 respectively.

The reduction is no doubt partly due to new methods of treatment, which unquestionably save many lives.

Housing and overcrowding are still major problems, and out of the budget surplus the States have earmarked £250,000 for slum clearance and £210,000 for further building schemes.

Dr. Bell was appointed Medical Officer of Health for Alderney, the vacancy being caused by the departure of Dr. Arkle from that Island.

I have the honour to be, Gentlemen,

Your obedient Servant,

ROWAN REVELL, M.D.,
Medical Officer of Health.

The President and Members,
Board of Health,
Guernsey.

STATISTICS.

Table I.

Sunshine.

Total for 1951	1884.7 hours
Average for 50 years	1871.4 hours
Sunless days for 1951	56.
Average for 50 years	55.

Rainfall.

Total for 1951	40.55 inches
Average for 50 years	36.79 inches
Wet days, 1951	206.
Average for 50 years	195.

Temperature.

Daily mean temperature 1951	50.6°F.
Average for 50 years	51.4°F.
Mean daily range 1951	8.6°
Average do.	9.1°

TABLE II.

Year	Estimated population to middle of each year	BIRTHS		DEATHS			DEATHS under one year of age	
		Number	Rate per 1,000	Number	Crude Rate per 1,000	Adjusted Rate per 1,000	Number	Rate per 1,000 Births
1935 ...	41,160	777	18.9	518	12.6	8.8	46	59.2
1936 ...	41,950	708	16.9	545	12.9	9.0	42	59.3
1937 ...	42,410	827	19.5	575	13.6	9.5	45	53.2
1938 ...	43,015	851	19.8	524	12.2	8.5	37	43.4
1939 ...	43,820	744	16.9	559	12.7	8.9	33	44.3
1940—								
Jan.—June	43,000	400	18.6	334	14.0	—	21	52.5
July—Dec.	23,976	168	14.0	179	14.8	—	6	35.7
1941 ...	23,901	243	10.1	398	16.6	—	5	20.5
1942 ...	23,561	262	11.1	525	22.3	—	10	38.1
1943 ...	22,641	337	14.9	414	18.3	—	16	47.5
1944 ...	22,408	395	17.6	472	21.1	—	17	43.0
1945 ...	25,500	391	15.3	436	17.1	—	11	28.1
1946 ...	38,038	872	22.9	431	11.3	7.9	35	40.1
1947 ...	40,674	900	22.2	419	10.3	7.2	30	33.3
1948 ...	43,179	870	20.2	445	10.4	7.3	17	19.5
1949 ...	44,374	795	17.9	495	11.1	7.7	20	25.1
1950 ...	44,792	746	16.6	480	10.7	7.4	22	29.5
1951 ...	44,498	775	17.4	510	11.4	8.0	11	14.2

POPULATION

The mid-year population was estimated at 44,498.

BIRTHS.

There were 775 live births, males 401, females 374, a rate of 17.4 per 1,000. Still-births numbered 11, a rate of 14.2 per 1,000 live births; illegitimate births were 26, a percentage of 3.3 of total live births.

DEATHS.

There were 510 deaths, males 276, females 234, a crude rate of 11.4 per 1,000; adjusted death rate 8.0

MATERNAL MORTALITY.

There was one death from prolonged labour, a rate of 1.3 per 1,000 live births. Under the Midwives Ordinance, 1950, medical aid was sought in one hundred and fourteen cases.

Fees to medical practitioners—£296 19s. 0d.

INFANTILE MORTALITY.

There were 11 deaths under one year of age, giving a rate of 14.2 per 1,000 live births; 7 of these deaths were under one month, a rate of 9.0 per 1,000.

MARRIAGES.

There were 373 marriages, a rate of 8.4 per 1,000.

CANCER.

There were 98 deaths from Cancer, 48 males, 50 females, giving a rate of 2.2 per 1,000.

TUBERCULOSIS.

There were 15 deaths from Tuberculosis, 12 pulmonary, 3 non-pulmonary (2 meningitis, 1 T.B. kidney) giving rates of 0.33, 0.27 and 0.06 per 1,000 respectively. The attendances at the Chest Clinic were as follows:

New cases Tuberculosis	26
New cases not Tuberculosis	2
Attendances of old cases	535
X-Rays taken	1,292

INFECTIOUS DISEASES.

There were little notifiable infectious diseases during the year; notifications were as follows:—

Pulmonary Tuberculosis	32
T.B. Meningitis	2
Scarlet Fever	30
Diphtheria	2
Scabies	1
Typhoid	1

848 children were inoculated, 378 re-inoculated, against Diphtheria.

The following cases were admitted to the King Edward Sanatorium:—

		Deaths.
Chicken Pox	1	–
Diphtheria	3	–
Erysipelas	2	–
Measles	3	–
Mumps	1	–
Pulmonary Tuberculosis	45	1 (6 *days after admission*)
Scarlet Fever	1	–
Tonsillitis	2	–
T.B. Meningitis	1	–
Vincent's Angina	1	–
Whooping Cough Pneumonia	1	1 (10 *hours after admission*)
Total	61	2

SANITATION

Extensive sanitary work has been carried out in the Island during the year. There is an urgent need for the provision of more sewers.

WATER SUPPLIES.

The States Water Supply was generally satisfactory but here again extensions as soon as possible are necessary.

MILK SUPPLIES.

Very large numbers of samples have been taken and inspections made; the improvement in the cleanliness of milk supplies has been maintained. All milk passed through the States Dairy is now pasteurised.

HOUSING.

The extreme shortage of houses continues and, in spite of a large building programme, is likely to continue for many years. Difficulties in satisfying the need for houses are greatly increased by continually rising costs and shortage of materials.

SELECTED GUERNSEY HEALTH STATISTICS.

	Infant Mortality *Rate per 1,000 Live births*	*Neonatal Deaths* *Rate per 1,000 Live births*	*Still Births Rate per 1,000 Live births*	*Pulmonary Tuberculosis* *Rate per 1,000*
1937	53.2	—	37.8	0.74
1938	43.4	—	37.6	0.35
1939	44.3	—	43.2	0.62
1940	46.4	—	28.5	0.59
1941	20.5	—	20.8	1.0
1942	38.1	—	30.7	0.91
1943	47.5	—	15.1	0.90
1944	43.0	—	20.2	1.2
1945	28.1	—	23.0	0.47
1946	40.1	—	21.7	0.45
1947	33.3	—	18.9	0.54
1948	19.5	12.5	24.2	0.79
1949	25.1	17.6	23.9	0.61
1950	29.5	22.6	20.1	0.42
1951	14.2	9.0	14.2	0.27

INFANT WELFARE.

HEALTH VISITORS' REPORTS.

St. Peter Port Visits :

Primary or 1st Visits.	0—1 Year or Under 1 Year	1—5 years or Over 1 Year	Ante Natal Visits	T.B. Visits
140	410	237	9	12

Cleanliness Neglect etc.	Visits with Sanitary Inspector	Venereal Disease Visits	Diphtheria Immunisation Visits	Mental Health Visits
30	8	1	11	2

(Signed) MARJORIE DAVIES, S.R.N., S.C.M., H.V.

Country Visits :

Primary or 1st Visits	0—1 Year or under 1 Year	1—5 Yrs. or over 1 Year	Cleanliness Neglect etc.	Visits with Sanitary Inspector
256	857	198	18	4

(Signed) MONICA GRAHAM, S.R.N., S.C.M., H.V.

VENEREAL DISEASES CLINIC, 1951.

	MALE	FEMALE
(1) Number of persons who on 1st January 1951 were under treatment or observation for :—		
Syphilis	33	13
Gonorrhea	7	–
Non specific or non-venereal conditions	10	5
(2) Number of persons previously removed from register who returned for treatment due to re-infection... ...	–	–
(3) Number of fresh infections during the year :—		
Syphilis contracted locally	–	–
Syphilis contracted outside the island	4	1
Syphilis congenital	–	–
Gonorrhea contracted locally	2	1
Gonorrhea contracted outside the island	12	–
Non specific or non venereal conditions contracted locally	2	1
Non specific or non venereal conditions contracted outside the island	9	–
(4) Number of persons remaining under treatment or observation on 31st December, 1951 :—		
Syphilis	23	9
Gonorrhea	6	1
Non specific or non venereal	13	3
(5) Total attendances of all persons at Clinic during the year	496	129
(9) Cases discharged during 1951 :—		
Syphilis	14	5
Gonorrhea	15	–
Non specific	8	3

V.D. CLINIC MALE SECTION.

Fresh cases of venereal diseases contracted in the island have totalled only three during 1951. This is most gratifying. Most fresh cases that occurred were contracted abroad, usually by sea-faring persons. Sufficient time has now elapsed since the commencement of the treatment of early syphilis with penicillin and bismuth only, to the total exclusion of arsenical compounds, to show that the early relapse rate of the small number of cases treated at this clinic is so far nil. It is important to realize that though the length of treatment is greatly reduced, the period of surveillance must not be curtailed in any way as the efficacy of this regime is still subjudice.

(Signed) J. E. T. STRICKLAND,
Medical Officer in Charge,
Male Section V.D. Clinic.

V.D. CLINIC FEMALE SECTION.

There is little new to add this year. The Clinic had fewer new cases this year than in the past. As I said in my last report, the importance of the work done here in the future will be to rule out specific disease specially urethritis and cervicitis from the very much greater number of non specific infections which we see as they are often very resistant to treatment.

(Signed) W. R. CAMBRIDGE,
Medical Officer in Charge,
Female Section V.D. Clinic.

DEATHS FEMALE.

		CAUSE GROUPS	Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
A	1	Tuberculosis of respiratory system	–	–	–	–	2	1	1	–	4
A	23	Meningococcal infections	–	1	–	–	–	–	–	–	1
A	45	Malignant neoplasm of oesophagus	–	–	–	–	–	–	3	3	6
A	46	Malignant neoplasm of stomach	–	–	–	–	–	4	1	5	10
A	48	Malignant neoplasm of rectum	–	–	–	–	–	2	–	–	2
A	50	Malignant neoplasm of trachea and of bronchus and lung not specified as secondary	–	–	–	–	–	1	1	–	2
A	51	Malignant neoplasm of breast	–	–	–	–	1	3	4	3	11
A	52	Maligant neoplasm of cervix uteri	–	–	–	–	–	4	3	2	9
A	53	Malignant neoplasm of other and unspecified parts of uterus	–	–	–	–	–	1	–	2	3
A	57	Malignant neoplasm of all other and unspecified sites	–	–	–	–	1	1	4	1	7
A	63	Diabetes mellitus	–	–	–	–	–	1	-	2	3
A	66	Allergic disorders; all other endocrine, metabolic and other blood diseases	–	–	–	–	2	–	2	–	4
A	70	Vascular lesions affecting central nervous system ...	–	–	–	–	1	5	11	8	25
A	73	Epilepsy	–	–	–	–	1	–	–	–	1
A	78	All other diseases of nervous system and sense organs	–	–	–	–	–	–	2	1	3
A	81	Arterio-sclerotic and degenerative heart disease ...	–	–	–	–	1	7	9	19	36
A	82	Other diseases of heart	–	–	1	–	1	1	5	17	25
A	83	Hypertension with heart disease	–	–	–	–	–	–	–	2	2
A	84	Hypertension without mention of heart	–	–	–	–	–	–	2	–	2
A	86	Other diseases of circulatory system	–	–	1	–	–	1	–	2	4
A	88	Influenza	–	–	–	–	–	2	–	5	7
A	89	Lobar pneumonia	–	–	–	–	–	–	1	–	1
A	90	Bronchopneumonia	–	1	–	–	–	1	–	7	9

DEATHS FEMALE.

CAUSE GROUPS	Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
	YEARS.								
A 91 Primary atypical, other and unspecified pneumonia	1	–	–	–	–	–	2	1	4
A 92 Acute bronchitis	–	–	–	–	–	–	–	1	1
A 93 Bronchitis, chronic and unqualified	–	–	–	–	–	–	2	5	7
A 101 Gastritis and duodenitis	–	–	–	–	–	–	–	1	1
A 103 Intestinal obstruction and hernia	–	–	–	–	1	1	–	–	2
A 105 Cirrhosis of liver	–	–	–	–	–	–	1	–	1
A 106 Cholelithiasis and cholecystitis	–	–	–	–	–	–	–	1	1
A 107 Other diseases of digestive system	–	–	–	–	–	2	–	–	2
A 109 Chronic and unspecified nephritis	–	–	–	–	–	1	–	2	3
A 117 Haemorrhage of pregnancy and childbirth	–	–	–	–	1	–	–	–	1
A 122 Arthritis and spondylitis	–	–	–	–	–	–	–	1	1
A 131 Postnatal asphyxia and ablectasis	2	–	–	–	–	–	–	–	2
A 135 Ill-defined diseases peculiar to early infancy and immaturity unqualified	1	–	–	–	–	–	–	–	1
A 136 Senility without mention of psychosis	–	–	–	–	–	–	–	17	17
A 137 Ill-defined and unknown causes of morbidity and mortality	–	1	1	–	2	1	–	4	9
AE 141 Accidental falls	–	–	–	–	1	–	–	1	2
AE 143 Accident caused by fire and explosion of combustible material	–	–	–	–	1	–	–	–	1
AE 147 All other accidental causes	–	–	–	–	–	–	–	1	1

54 + 114
168

DEATHS
MALE.

		CAUSE GROUPS	YEARS.								
			Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and Over	Total
A	1	Tuberculosis of respiratory system	–	–	–	–	5	3	–	–	8
A	2	Tuberculosis of meninges and central nervous system	–	1	–	–	–	1	–	–	2
A	3	Tuberculosis of intestines, peritoneum and mesenteric glands	–	–	–	1	–	–	–	–	1
A	22	Whooping Cough	1	–	–	–	–	–	–	–	1
A	23	Meningococcal infections	–	–	–	–	–	1	–	–	1
A	44	Malignant neoplasm of buccal cavity and pharynx ...	–	–	–	–	1	–	1	–	2
A	45	Malignant neoplasm of oesophagus	–	–	–	–	–	2	3	–	5
A	46	Malignant neoplasm of stomach	–	–	–	–	1	2	11	3	17
A	47	Malignant neoplasm of intestines except rectum ...	–	–	–	–	–	–	–	4	4
A	48	Malignant neoplasm of rectum	–	–	–	–	–	2	–	2	4
A	50	Malignant neoplasm of trachea and of bronchus and lung not specified as secondary	–	–	–	–	–	4	2	–	6
A	54	Malignant neoplasm of prostate	–	–	–	–	–	–	1	–	1
A	55	Malignant neoplasm of skin	–	–	–	–	–	–	–	1	1
A	57	Malignant neoplasm of all other and unspecified sites	–	–	–	–	–	3	1	4	8
A	63	Diabetes Mellitus	–	–	–	–	–	–	2	–	2
A	65	Anaemias	–	–	–	–	–	–	1	–	1
A	66	Allergic disorders ; all other endocrine, metabolic and blood diseases	–	–	–	–	–	1	–	1	2
A	67	Psychoses	–	–	–	–	–	–	1	–	1
A	68	Psychoneurosis and disorders of personality	–	1	–	–	–	–	–	–	1
A	70	Vascular lesions affecting central nervous system ...	–	–	–	–	–	2	7	9	18
A	78	All other diseases of the nervous system and sense organs...	–	–	–	–	–	–	1	–	1

DEATHS
MALE.

CAUSE GROUPS	Under 1 Year	1/4	5/14	15/24	25/44	45/65	65/74	75 and Over	Total
A 80 Chronic rheumatic heart disease	–	–	–	–	1	1	2	–	4
A 81 Arteriosclerotic and degenerative heart disease ...	–	–	–	–	–	15	16	15	46
A 82 Other diseases of heart	–	1	–	–	1	9	15	14	40
A 84 Hypertension without mention of heart	–	–	–	–	–	–	2	1	3
A 85 Diseases of arteries	–	–	–	–	–	–	1	–	1
A 86 Other diseases of circulatory system	–	–	–	–	–	–	1	1	2
A 88 Influenza	–	–	–	–	–	–	–	2	2
A 90 Bronchopneumonia	–	–	–	–	–	–	5	1	6
A 91 Primary atypical, other and unspecified pneumonia	–	–	–	–	–	–	1	2	3
A 92 Bronchitis, acute	–	–	–	–	–	–	–	2	2
A 93 Bronchitis, chronic and unqualified	–	–	–	–	–	–	7	5	12
A 95 Empyema and abscess of lung	–	–	–	–	–	–	1	–	1
A 99 Ulcer of stomach	–	–	–	–	–	1	–	1	2
A 100 Ulcer of duodenum	–	–	–	–	–	2	–	–	2
A 101 Gastritis and duodenitis	–	–	–	–	–	2	–	–	2
A 103 Intestinal obstruction and hernia	1	–	–	–	–	–	–	–	1
A 104 Gastro-enteritis and colitis, except diarrhoea of the new born	–	–	–	–	–	–	–	2	2
A 107 Other diseases of digestive system	–	–	–	–	–	2	–	–	2
A 109 Chronic, other and unspecified nephritis	–	–	–	–	1	1	–	1	3
A 111 Culculi of urinary system	–	–	–	–	–	–	–	1	1
A 112 Hyperplasia of prostate...	–	–	–	–	–	–	–	1	1
A 114 Other diseases of genito-urinary system	–	–	–	–	–	–	–	1	1
A 122 Arthritis and spondylitis	–	–	–	–	–	–	–	1	1
A 129 All other congenital malformations	1	–	–	–	–	–	–	–	1

CAUSE GROUPS	DEATHS MALE				YEARS.				
	Under 1 Year	1/4	5/14	15/24	25/44	45/64	65/74	75 and over	Total
A 135 Ill defined diseases peculiar to early infancy, and immaturity unqualified	4	–	–	–	–	–	–	–	4
A 136 Senility without mention of psychosis	–	–	–	–	–	–	2	13	15
A 137 Ill defined and unknown causes of morbidity and mortality	–	–	–	–	–	4	–	13	17
AE 138 Motor vehicle accidents	–	–	–	1	–	–	–	–	1
AE 139 Other transport accidents	–	–	–	1	–	–	–	–	1
AE 143 Accidents caused by fire and explosion of combustible material	–	–	–	–	1	–	–	1	2
AE 146 Accidental drowning and submersion	–	–	–	–	1	–	–	–	1
AE 148 Suicide and self-inflicted injury	–	–	–	–	3	–	–	1	4
AE 147 All other accidental causes	–	–	–	–	2	–	–	1	3
							85		186

INFANTILE MORTALITY

		CAUSE GROUPS	MONTHS										
			28 days to 2 months	2/3	3/4	4/5	5/6	6/7	7/8	8/9	9/10	11/12	Total
A	22	Whooping Cough	–	–	–	–	1	–	–	–	–	–	1
A	91	Primary atypical, other and unspecified pneumonia	–	1	–	–	–	–	–	–	–	–	1
A	103	Intestinal obstruction and hernia ...	–	1	–	–	–	–	–	–	–	–	1
A	129	All other congenital malformations ...	1	–	–	–	–	–	–	–	–	–	1

			DAYS										
			Under 1 day	1/2	2/3	3/4	4/5	5/6	6/7	7/14	14/21	21/28	Total
A	131	Post natal asphyxia and atelectasis ...	2	–	–	–	–	–	–	–	–	–	2
A	135	Ill-defined diseases peculiar to early infancy and immaturity qualified ...	2	3	–	–	–	–	–	–	–	–	5

LABORATORY SERVICE.

February 1952.

Board of Health Laboratory Service Annual Report for 1951.

1.	Urethral, cervical and vaginal smears for Gonococci	56
2.	Urethral, cervical and vaginal cultures for Gonococci	46
3.	Sputum direct examination for T.B.	364
4.	Sputum culture examination for T.B.	45
5.	Sputum culture examination other organisms	14
6.	Eye smears	23
7.	Eye cultures	79
8.	Urine routine examinations	128
9.	Urine deposit examinations	271
10.	Urine smears Bacteriology	7
11.	Urine cultures	237
12.	Urine Urea estimations	8
13.	Urine Acetone derivatives and Ph.	3
14.	Urine Indican test—Tests for Bile and Blood	3
15.	Urine Diastatic Index	2
16.	Blood Cultures	20
17.	Blood Grouping	279
18.	Blood White Cell Count	269
19.	Blood Red Cell Count	286
20.	Blood Haemoglobin	685
21.	Blood Van den Berg Test	10
22.	Blood Differential Count	297
23.	Blood Sedimentation Rate	393
24.	Blood for Anthrax	6
25.	Blood Sugar estimations	75
26.	Blood Urea estimations	81
27.	Blood Cell Volume	260
28.	Blood Widals	21
29.	Blood Other Agglutinations	2
30.	Blood for Parasites	5
31.	Blood Icterus Index	5
32.	Blood Fragility	1
33.	Blood Paul Bunnell Reaction	16
34.	Blood Coagulation Time	102
35.	Blood Bleeding Time	10
36.	Blood Platelet Count	10
37.	Blood Reticulocyte Count	4
38.	Blood Hanger Test	8
39.	Blood Rhesus Typing	133
40.	Blood Kahn Dye Test	334
	Carried Forward	4,598

Brought Forward 4,598

41. Blood Wasserman Reaction	339
42. Blood Coombs Test	2
43. Blood Fouchet Test	2
44. Throat Smears for K.L.B.	21
45. Throat Cultures for K.L.B.	41
46. Throat Cultures for H.S.	66
47. Semen Fertility Tests	9
48. Stool Occult Blood	63
49. Stool Direct Smears	30
50. Stool Cultures	122
51. Fractional Gastric Analysis	30
52. Skin examinations for Fungi	2
53. Coagulase Tests	15
54. Pus direct smears	10
55. Pus cultures	61
56. Cerebro-spinal Fluid. Cell Count	50
57. Cerebro-spinal Fluid. Direct Smear	14
58. Cerebro-spinal Fluid. Chloride estimation	32
59. Cerebro-spinal Globulin	6
60. Cerebro-spinal Sugar Estimation	28
61. Cerebro-spinal Culture	26
62. Cerebro-spinal Wasserman Reaction	6
63. Cerebro-spinal Total Protein	28
64. Cerebro-spinal T.B. Direct	10
65. Pleural and other Body Fluids. Culture	50
66. Pleural and other Body Fluids. Direct Smears	24
67. Pleural and other Body Fluids. Cell Count	3
68. Ear, Nose and Throat. Smears	4
69. Ear, Nose and Throat. Cultures	69
70. Autogenous Vaccine	4
71. Milk Tests " Hotis " for Mastitis. Positive	69
72. Milk Tests " Hotis " for Mastitis. Negative	98
73. Milk Tests " Hotis " for Mastitis. Doubtful	28
74. Phosphatase Tests	20
75. Milk Vessel Rinsings	5
76. Milk Culture Smears	180
77. Chemical Fat	421
78. Milk Reductase. Unsatisfactory	132
79. Milk Reductase. Satisfactory	84
80. Milk Reductase. Good	918
81. Ice Cream Grading. Unsatisfactory	3
82. Ice Cream Grading. Suspicious	9
83. Ice Cream Grading. Good	113
84. Water Samples. B. Coli Presumptive. Suspicious	11

Carried Forward 7,856

Brought Forward	7,856
85. Water Samples. B. Coli Presumptive. Unsatisfactory	71
86. Water Samples. B. Coli Presumptive. Good	706
87. Water Samples. B. Coli Conclusive	32
88. Medico-Legal Tests	1
89. Antibiotic Sensitivity Tests	145
90. Foods	23
91. Organism Agglutinations	10
Total	8,844

Comments on the Routine Laboratory Work.

The total number of examinations this year was 8,844. Last year the figure was 7,109 and the year before 6,566. This further substantial increase in our work necessitated extra assistance and a student-technician was appointed and commenced her duties in October. The laboratory staff complement is now :

One Chief Technician, two student-technicians.
One laboratory assistant (cleaner) and
One clerk (part time).

The technician resigned and left our service in mid-December but a replacement has been appointed and will join the staff at the end of February 1952. The increase in routine tests is largely due to the use made of the laboratory facilities by the doctors of the Island for assistance in diagnosis and control of various treatments, e.g. diabetes, thrombosis, and many bacterial infections.

Our tests, besides being available to all patients in the Island hospitals, are also available to all people attending the doctor's surgery. This close and much appreciated liaison between the doctor, his patient and the laboratory is an important factor in the practice of general medicine today, and our local arrangements provide the benefits of immediate investigation to many more people than is the case on the Mainland.

The following examinations comprise the major increases this year :—

Cultures of Eye Infections (*increase from* 16 *to* 79)

the results of these examinations demonstrated a low percentage of positive cultures and smears, and suggests other causes such as vitamin deficiency and virus infection.

Cultures of Urine (*increase from* 70 *to* 237)

this marked increase does not mean a general, marked rise in bacterial infections of the urinary tract but rather, improved methods of treatment control.

Blood Grouping and Rhesus Typing (*increase from* 134 *to* 412)

this rise is mainly due to the routine ante-natal laboratory examination mentioned in my 1950 Annual Report together with many more pre-operative blood groupings and blood matchings, whereby compatible blood is reserved for patients undergoing major operations. The blood may be given during or immediately following the operations and eliminates the frantic emergency call.

Blood Cell Volume (*increase from* 140 *to* 260)

this estimation is gradually replacing the laborious red cell count, gives more accurate information and relieves the laboratory worker from eye strain.

Blood Coagulation Rate (*increase from* 22 *to* 102)

the use of Heparin and allied drugs necessitates repeated estimations of this rate to control the dosage throughout the course of the treatment.

Ear, Nose and Throat Cultures

K.L.B. (*decrease from* 120 *to* 41)

Other organisms (*increase from* 40 *to* 135)

the marked fall in requests for diphtheria examinations together with an approximate equal increase for reports on other throat infections shows a realistic view of the actual state of such infections today.

Cultures of Stools (*increase from* 67 *to* 122)

a greater demand for the isolation of pathogenic organisms of the intestinal tract is expected, especially during the sporadic outbreaks of diarrhoea which occur on the Island.

Antibiotic Tests (*increase from* 50 *to* 145)

the testing of pathogenic organisms against penicillin, streptocmycin and chloromycetin for their degree of sensitivity is an important laboratory test. Whenever possible the organism reponsible for an infection should be tested for its sensitivity, the best antibiotic selected and used against it. This measure controls wastage of these expensive drugs and provides a scientific basis for their use in every case.

ENVIRONMENTAL HYGIENE

ANNUAL REPORT OF THE CHIEF SANITARY INSPECTOR FOR THE YEAR ENDING 31st DECEMBER, 1951

I herewith submit my report on the sanitary circumstances as for the year 1951. Improvement has continued in sanitation and food. Extensions to water mains have not been as rapid as hoped for and in many cases this has held up the installation of modern sanitation.

Overcrowding seems to be as acute as during 1950 and a large number of these premises need either such extensive repair as to make their rehabilitation uneconomic or are unworthy of repair.

A number of notices for improvement of farm drainage have been served but in spite of the fact that some objections were raised most of the work has been carried out.

Several elderly persons were temporarily removed to the Town Hospital after having been cleansed at the Clinic. Disinfestations were carried out after their removal.

Meat consignments have been examined at the Jetty and reports of dirty meat have been very few.

I wish to take this opportunity of publicly thanking the Inspectors, Laboratory staff and Health Visitors for their co-operation during the year.

G. AUSTIN, M.S.I.A.

Requests from Housing Authority for general inspections	184
Requests from other sources including overcrowding	76
Routine housing inspections	177
Re-inspections for work in progress or completed	408
Inspections of sanitary defects and drainage	332
Inspections re water supplies	117
Complaints investigated and abated	198
Inspections of public buildings and schools	41
Work places and shops including commercial tomato packing stations ...	9
Verbal agreements made and work carried out	49
Interviews and appointments	972
Drains tested	34
Number of caravans and sites recommended for approval	8

FARMS AND MILK

The percentage of dirty milks has again been reduced and the figure for 1951 is 1.36 which is a very satisfactory feature, and proves that a food inspector's time spent on hygienic production and handling of milk is well worth while as in addition to the hygienic aspect heavy losses may be avoided by constant examination and checking. No prosecutions were taken during the year either for adulteration or dirty milk utensils.

Visits to Alderney and Herm have been made and details will be found at the end of the report.

SAMPLES ANALYSED DURING 1951

Formal samples	7
Informal samples	421
Fat and M.B. Test	414
M.B. Test only	530
Appeal to cow samples	251

INSPECTIONS

Number of farm inspections	111
Farmers interviewed re unsatisfactory stables, utensils, milk	110
Inspections of milk retailers' utensils, etc.	420
Visits to States Dairy and Road Collection Depots	87
Farms visited for check samples	102
Number of herd checks (full herd)	46
Number of cases of suspect mastitis	60

MONTHLY AVERAGE OF FAT AND NON FATTY SOLIDS

Month	*Fat*		*Non fatty solids*	
	a.m.	*p.m.*	*a.m.*	*p.m.*
January	4.25%	5.4%	9.00%	9.10%
February	4.06%	5.2%	8.91%	9.18%
March	4.09%	5.0%	8.96%	9.13%
April	3.8%	5.2%	8.90%	9.10%
May	4.0%	5.5%	9.08%	9.21%
June	4.07%	5.5%	9.12%	9.28%
July	4.2%	5.5%	8.99%	9.12%
August	4.2%	4.95%	9.15%	9.14%
September	No samples were taken for fat and non fatty solids.			
October	No samples were taken for fat and non fatty solids.			
November	4.3%	—	8.88%	—
December	4.2%	5.0%	8.83%	8.92%
Average fat content for the year			A.M.	4.08%
Average non fatty solids for the year			A.M.	9.00%
Average fat content for the year			P.M.	5.2%
Average non fatty solids for the year			P.M.	9.12%
Percentage of unsatisfactory milk i.e. failed official test				1.36%

ENGLISH MILK

Number of samples	30
Average Fat Content	3.7%
Average Non Fatty Solids	8.82%

FOODS OTHER THAN MILK

The Model Bye-Laws for which I had hoped in 1949 have still not become operative and consequently our "Clean Food" campaign has not progressed as much as I should like. Every effort has been made to ensure that food is served in a cleanly manner and the majority of café and restaurant owners are not resentful at any suggestions made by the Food Inspector. The following table gives the number of inspections made during the year.

Inspections of food for condemnation	107
Inspections of food premises (including proposed premises)	35
Inspections of bakehouses	27
Inspections of fried fish and chip shops	42
Inspections of cafés and restaurants	78
Inspections of Markets	46
Inspections of meat consignments	39

Food examined and condemned as unfit for human consumption.

Animal food 4 tins
Baby food 488 tins
Bacon 9 cwt. 3 qrs. 17 lbs. 8 ozs.
Baked Beans 128 tins
Barley Powder 6 cartons
Bisto 34 packets
Bun flour 22 packets
Cereals 44 packets
Cheese 105 lbs. 10 ozs.
Cheese 182 boxes
Cheese 108 packets
Coffee 158 bottles
Condiments 7 tins, 4 drums
Dried Fruit 140 lbs.
Fish 913 tins, 1 gal.
Flour 140 lbs. 1 pkt.
Fruit 2,841 tins
Fruit 331 jars
Fruit 22 lbs., 2 bottles
Gelatine 2 tins
Gravy 9 tins
Horlicks 1 jar
Hors d'Oeuvres 3 tins
Icing 29 packets
Jam 41 tins, 6 jars
Juice 424 tins
Lemon Cheese 1 jar
Margarine 24 lbs.
Marmalade 12 jars
Meat tinned 827 tins

Meat loose 251 lbs. 4 hams
Meat Pies 38 pies
Milk 768 tins
Milk Pudding Mixture 20 packets
Mincemeat 2 tins
Mushrooms 1 tin, 6 packets
Onions 1 jar
Pastes 78 jars, 42 tins
Pastry 2 tins
Pie Filling 3 tins
Pickles 1 tin, 5 jars
Puddings 43 tins
Puddings 1 packet, 4 whole
Sago 22 packets
Sauce 182 bottles
Semolina 21 packets
Salad Cream 346 bottles
Soup 157 tins
Sweet Corn 7 tins
Vegetables 764 tins
Vegetables 1 jar
Vegetables 60 lbs.
Vinegar 1 bottle
Scone Mixture 27 packets
Sponge Mixture 2 packets
Tea Cake Mixture 18 packets
Horse Radish Cream 12 jars
Soreen 38½ dozen tins
Ketchup 5 bottles
Ketchup 1 tin

FOOD ANALYSED 1951.

Baking Powder	1
Blanc Mange	1
Bun Flour	1
Butter	1
Cake and Pudding Mixture	1
Coffee	1
Coffee and Chicory Essence	3
Coffee Pure Ground	1
Coffee (Cup Kaff)	1
Fat	1
Flour	1
Fowls	2
Sponge Mixture	1
Coffee Extract	1
Ground Cinnamon	1
Ground Ginger	1
Ham	2
Ice Cream	2
Jam	8
Lard	1
Margarine	1
Mincemeat	4
Pepper	3
Milk Pudding Mixture	2
Pickles	1
Prepared Prunes	1
Pork Sausages	27
Sausage Meat	1
Tomato Sauce	2
Scone Flour	4
Water	1

ICE CREAM.

Two requests to register as ice cream manufacturers were made during the year and were granted.

Number of visits to ice cream manufacturers	134
Total number of samples taken	123
Number of imported ice cream samples taken	37
Number of samples taken for fat and sugar only	2

LOCAL ICE CREAM

Grade	*No. of samples*	*Percentage*
1	49	57%
2	28	33%
3	6	7%
4	3	3%

IMPORTED ICE CREAMS

Grade	*No. of samples*	*Percentage*
1	22	59%
2	12	32%
3	3	8%
4	Nil	–

ICE CREAM SAMPLES 1951

	Manufacturers and Retailers					*Retailers only*				
	1	2	3	4		1	2	3	4	
(1)	2	5	3	2		–	–	–	–	
(2)	9	3	–	–		–	–	–	–	
(3)	8	2	–	–		–	–	–	–	
(4)	7	2	1	1		–	–	–	–	
(5)	6	4	–	–		–	–	–	–	
(6)	7	5	–	–		6	6	1	–	
(7)	4	1	1	–		–	–	–	–	
Total	43	22	5	3	—73	6	6	1	–	— 13
Percentage	59%	30%	7%	4%		46%	46%	8%		

IMPORTED ICE CREAM.

	Grades.				
	1	2	3	4	
1	6	8	–	–	
2	10	2	3	–	
3	6	2	–	–	
Total	22	12	3	–	— 37
Percentage	59%	32%	8%	–	

WATER SUPPLY

An adequate supply from the States Water Board Mains has been maintained throughout the year. Samples from public and private supplies are as follows:

Weekly samples taken from States Water Mains ...	684
Public Pumps	1
Schools	16
Camp sites	3

There is still a great demand for further extensions to be made by the States Water Board and the unfortunate lack of these is frequently a great hindrance to progress in this department.

REFUSE DISPOSAL

Arrangements for disposal of household refuse has been the same as during 1950: Vazon as winter tip and Le Catelin Quarry during the summer.

Inspections made at official refuse dumps	24
Inspections made at unofficial refuse dumps	9
To householders re unhygienic bins	16

RAT DESTRUCTIONS

No serious infestations have been reported during the year. Apart from occasional damage to glasshouse crops, the greatest sufferers seem to be poultry keepers although their losses are extremely small. The refuse tips have been baited regularly and gassing and pre-baiting have been done on a large number of private properties. Since January of this year, one operator only has been employed.

Number of properties visited	1,914
Number of visits made	2,348
Number of new infestations	123
Number of properties re-baited (as from April) ...	54
Number of properties gassed (as from March) ...	60

INFECTIOUS DISEASES

The number of inspections made in connection with Infectious Diseases was	57
Number of disinfections	50

Disinfections

Princess Elizabeth Hospital	16
Town Hospital	5
Maternity Hospital	2
King Edward Sanatorium	24
Number of articles stoved	2,320

VERMINOUS PREMISES

Verminous premises disinfected	47
Persons removed for cleansing	5

In addition stables were disinfected on two farms where Anthrax had occurred and one aircraft was disinfected at the airport prior to conveying a local herd of cattle to Ireland.

LICENSED PREMISES

Fifty-nine inspections were made during the year at forty-five public houses (as distinct from hotel bars). Several were found to be without separate ladies' toilets or flushing systems for urinals. After interviews with the owners arrangements have now been made for these essentials to be provided.

ALDERNEY

Six visits were made by inspectors during the year. An agreement was made with representatives of the Ministry of Works in connection with sanitary arrangements and water supplies which did not comply with the requirements of this department.

Milk machines have been installed on two farms and advice on sterilization has been given by the Food Inspector.

Farm visits	12	(2 farmers advised on sterlization of milking machines installed).
Cafés	6	
Dairy visits	4	
Butchers' shop	2	
Fishmonger's shop	1	
Fish and Chip Shop	1	
Drainage at Meat Factory ...	1	
Septic Tank sites	3	unsuitable sites examined.
Rat destruction		advice given re baiting of sewers.
School sanitation	1	

ISLAND OF HERM

Visits were made to the island of Herm in connection with the island water supply.

Fresh supplies have been tapped from the Mansion well and piped to Valley Panto to ensure a constant supply throughout the summer. All water is now brought to a central point and construction of an additional tank is in progress. It is hoped that the chlorinating plant will be in operation in time for the commencement of the 1952 visitor season and this, if efficiently run, should ensure water of good quality.

BRECHOU

Two water samples were taken and submitted for analysis.